

## EAST Search History

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|--------|--|---|------------------|---------|---------------------|
| L1    | 1      | 10/645645  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/04/13<br>16:31 |
| L2    | 4586   | (257/290-293,E27.13,<br>E27.133).CQLS.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/04/13<br>16:31 |
| L3    | 5      | (US-20050040445-\$).did.<br>or (US-6117702-\$ or US-<br>6127692-\$ or US-<br>6762401-\$ or US-<br>6403975-\$).did. | US-PGPUB;<br>USPAT  | OR               | ON      | 2008/04/13<br>16:34 |
| L4    | 11828  | super\$1lattice or super<br>adj1 lattice   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/04/13<br>16:34 |
| L5    | 118260 | photodiode   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/04/13<br>16:34 |
| L6    | 105816 | image adj1 sensor  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/04/13<br>16:34 |
| L7    | 34     | L5 and L6 and L4   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/04/13<br>16:34 |
| L8    | 42     | (graded adj1 buffer) and<br>photodiode   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/04/13<br>16:34 |

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| L9  | 21 | ("20020024058"  <br>"20030218678"  <br>"5557121"   "5818322"  <br>"5847409"   "6127692"  <br>"6403975"   "6462365"  <br>"6587142"   "6762401").<br>PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/13<br>16:34 |
| L10 | 47 | "6232626"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/13<br>16:34 |
| L11 | 68 | L9 L10   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/13<br>16:34 |
| L12 | 10 | L11 and (electrons holes)<br>same (ion ionization or<br>ionizing)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/13<br>16:34 |
| S1  | 21 | ("20020024058"  <br>"20030218678"  <br>"5557121"   "5818322"  <br>"5847409"   "6127692"  <br>"6403975"   "6462365"  <br>"6587142"   "6762401").<br>PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>17:55 |
| S2  | 39 | "6232626"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/20<br>10:57 |
| S3  | 0  | S1 and "L3"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/20<br>10:57 |
| S4  | 0  | S1 and S2  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/20<br>10:58 |

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| S5  | 60   | S1 S2  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/20<br>10:58 |
| S6  | 7    | S5 and (electrons holes)<br>same (ion ionization or<br>ionizing)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/20<br>11:06 |
| S7  | 25   | (graded adj1 buffer) and<br>photodiode   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>06:13 |
| S8  | 1922 | (257/290-293).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/10/30<br>08:38 |
| S9  | 1978 | (257/290-293).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/25<br>08:32 |
| S10 | 27   | (graded adj1 buffer) and<br>photodiode   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/10/30<br>08:39 |
| S11 | 27   | S10  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/10/30<br>08:39 |
| S12 | 21   | ("20020024058"  <br>"20030218678"  <br>"5557121"   "5818322"  <br>"5847409"   "6127692"  <br>"6403975"   "6462365"  <br>"6587142"   "6762401").<br>PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/10/30<br>08:39 |

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| S13 | 39    | "6232626"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/30<br>08:39 |
| S14 | 60    | S12 S13   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/30<br>08:39 |
| S15 | 7     | S14 and (electrons holes)<br>same (ion ionization or<br>ionizing) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/30<br>08:39 |
| S16 | 10879 | super\$1lattice or super<br>adj1 lattice                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/16<br>06:13 |
| S17 | 31    | (graded adj1 buffer) and<br>photodiode                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/16<br>06:13 |
| S18 | 5     | S16 and S17   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/16<br>06:23 |
| S19 | 0     | S18 and pixel   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/16<br>06:17 |
| S20 | 0     | transfer and S18  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/16<br>06:17 |

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| S21 | 107035 | photodiode  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>06:24 |
| S22 | 92927  | image adj1 sensor   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>06:24 |
| S23 | 32     | S21 and S22 and S16   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>06:30 |
| S24 | 135    | (photoelectric adj1<br>conversion adj1<br>apparatus) and<br>photodiode  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>06:44 |
| S25 | 27     | ("20020024058"  <br>"20030110189"  <br>"20030218678"  <br>"20040079408"  <br>"5557121"   "5818322"  <br>"5847409"   "6127692"  <br>"6232626"   "6403975"  <br>"6462365"   "6587142"  <br>"6762401").PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>07:14 |
| S26 | 2      | ("6117702").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/16<br>07:15 |
| S27 | 0      | S26 and transistor  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>07:15 |
| S28 | 1      | S26 and transfer  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>07:16 |

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| S29 | 2  | ("5847518").PN.                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/16<br>07:16 |
| S30 | 2  | ("5847418").PN.                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/16<br>07:17 |
| S31 | 0  | CMOS and S26                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>07:17 |
| S32 | 2  | image adj1 sensor and<br>S26           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/16<br>07:17 |
| S33 | 1  | 10/645645                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/18<br>15:45 |
| S34 | 1  | 11/038594                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/18<br>15:45 |
| S35 | 35 | (graded adj1 buffer) and<br>photodiode | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/19<br>10:18 |
| S36 | 2  | ("20020171077").PN.                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/19<br>10:18 |

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| S37 | 2 | "6489643".pn.                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>17:56 |
| S38 | 0 | S37 and graded                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>13:03 |
| S39 | 0 | S37 and ionization                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>13:04 |
| S40 | 2 | S37 and ion                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>13:11 |
| S41 | 0 | S37 and SOI                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>13:11 |
| S42 | 0 | S37 and (insulator<br>insulating)     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>13:13 |
| S43 | 0 | S37 and (read with out<br>read\$1out) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>13:13 |
| S44 | 2 | "6489643".pn.                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>17:56 |

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| S45 | 0    | S44 and processor   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/24<br>17:56 |
| S46 | 2354 | (257/290-293).OCLS. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/25<br>08:32 |
| S47 | 2354 | S46                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/25<br>08:32 |

4/ 13/ 2008 4:35:07 PM

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